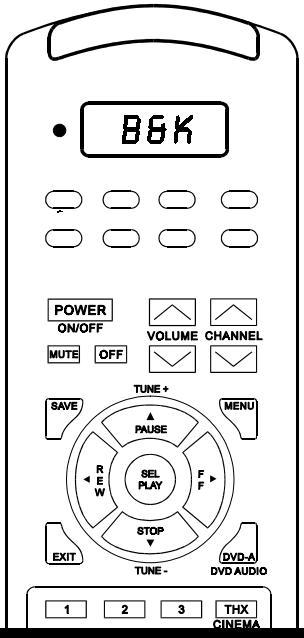
B&K AV7.1

Preprogrammed & Learning Remote Control



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Introduction

The B&K AV7.1 remote control is preprogrammed to operate over 1,000 Audio and Video components so that you can set it up by simply punching in a three-digit code number that matches your equipment.

The AV7.1 also has the ability to learn new functions from your original remote controls, allowing you to customize the remote to your own needs and update it as you add new equipment. Please refer to pages 8 – 16 for instructions on setting up the remote control.

AV7.1 System Controller operates up to eight different audio and video devices in your home entertainment system. They are listed below:

1	TVs, Monitors, Video/LCD Projectors
2	VCRs, TV/VCR combination units
3	Cable boxes, Internet set-tops
4	Satellite receivers – DSS, Primestar, Dish, DBS, C-Band
5	Audio Receivers, Preamplifiers, Surround Processors
6	Compact disc players, Multi-Disc changers
7	DVD, Laser disc players, Cassette decks
8	Cassette Tape Players, DAT, MiniDisc, Switchers, Lighting, Home Control Devices, and Line Doublers

Setting up the remote control to work with your equipment is simple. The remote control also has many advanced features that can add ease and enjoyment to the operation of your home entertainment system. Please follow the instructions in the manual, and retain the manual for future reference.

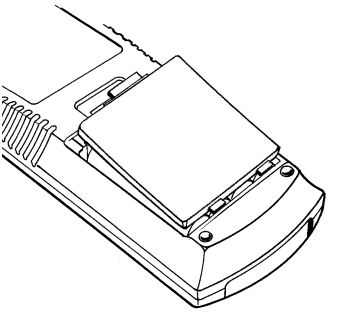
For any questions or comments about this remote control, please contact B&K Components, Ltd. 2100 Old Union Road Buffalo, New York 14227, or call 1-800-543-5252. Service hours are 9:00 AM to 5:00 PM, EST, Monday – Friday.

Using Your Remote

This remote control uses four (4) AAA 1.5V batteries. Please be sure to match the batteries with the (+) and (-) markings inside the battery compartment during the installation.

A. Open and Close the Battery Compartment Cover

1. To open the battery cover, push the latch forward toward the top of the remote control, and lift the latch up.
2. To close the battery cover, slide the battery cover straight in (towards the top of the remote) and push down until it “clicks” into place.



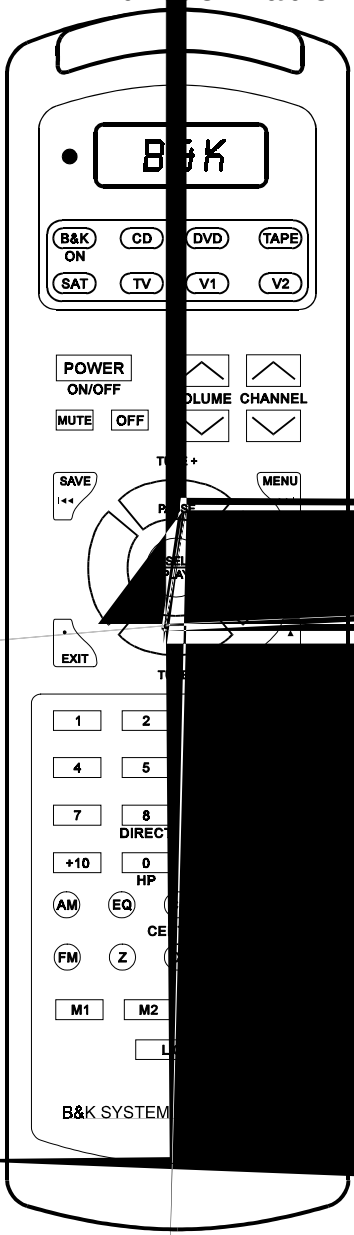
B. Low Battery Message

When the Liquid Crystal Display (LCD) flashes L_BAT, the batteries should be replaced.

Note: *Batteries should be last about 6 months under normal conditions. The AV7.1 remote control will retain its programmed memory for up to one year after the batteries are removed and up to ten years after the batteries go “dead”.*

Using Your Remote

A. Function Table Reference



Using Your Remote

No.	*Button Name*	*B&K Functions*	*SAT Functions*	*TV Functions*
1-8	Device Name	B&K (ON)	Sat (ON)	TV (ON)
9	Power / On	On / Off	On / Off (Off)	On / Off (Off)
10	Mute	Mute	Mute	Mute
11	Off	Power Off	TV / Sat	TV / Video
12	VOLUME +	Master Volume +	Vol. Up	Vol. Up
13	VOLUME –	Master Volume –	Vol. Down	Vol. Down
14	CHANNEL +	Preset +	Ch. +	Ch. Up
15	CHANNEL –	Preset –	Ch. –	Ch. Down
16	Up / Pause	Up / Tune +	Up	Up
17	Down / Stop	Down / Tune -	Down	Down
18	Right / F.F.	Right / Bal. Right	Right	Right / Picture
19	Left / Rew.	Left / Bal. Left	Left	Left / Audio
20	Sel / Play	Enter	Select	Select / Enter
21	Save / I<< / Mode	Save	Guide	Display / Recall
22	Menu / >>I	Menu	Menu	Menu
23	Exit / Rec.	Return (Exit)	Exit / Cancel	Exit / Clear
24	DVD-Audio/ Eject	DVD Audio Mode	Prev. Ch.	Q. View / Last Ch.
25-29	1–5	1–5	1–5	1–5
30	6 / EX	6	6	6
31	7	7	7	7
32	8 / Direct	8	8	8
33	9 / LtRt	9	9	9
34	0 / HP	0	0	0
35	+10	+ 10		100/Ch. Scan
36	Enter	Enter	Enter	Ch. Scan
37	THX / Cinema	THX Mode	Fav	Sleep
38	Surr / Surround	Surround Mode	Info / Fetch	Caption
39	ST / Stereo	Stereo Mode	Next Prog.	Antenna
40	Mono	Mono Mode	Alt. Audio	Reset
41	AM	AM Tuner Band		PIP On / Auto Ch.
42	EQ	EQ selection		PIP Swap, Add
43	C+	Center Level +		PIP Freeze / Delete
44	R+	Rear Level +		PIP Off / Position
45	S+	Sub Level +		TV / CATV
46	FM	FM Tuner Band	Rec.	Auto
47	Z	Zone		Add
48	C–	Center Level –		Delete
49	R–	Rear Level –		
50	S–	Sub Level –		
51	M1	Pound #		
52	M2	B		
53	M3	C		
54	M4	Freq.		
55	Light	Light	Light	Light

Using Your Remote

No.	*Button Name*	*VCR Functions*	*Cable Functions*
1-8	Device Name	V1 (ON)	V2 (ON)
9	Power / On	On / Off (OFF)	On / Off (Off)
10	Mute	Mute	Mute
11	Off	VCR / TV	Switch / A/B
12	VOLUME +	Vol. Up	Vol. Up
13	VOLUME –	Vol. Down	Vol. Down
14	CHANNEL +	Ch. Up	Ch. +
15	CHANNEL –	Ch. Down	Ch. –
16	Up / Pause	Pause	Up / Fine +
17	Down / Stop	Stop	Down / Fine –
18	Right / F.F.	Fast Forward	Right / Fine R
19	Left / Rew.	Rewind	Left / Fine L
20	Sel / Play	Play	Select
21	Save / I<< / Mode	F. Adv. / Slow I<<	Guide / Recall
22	Menu / >>I	X2 / Intro / Slow >>I	Menu
23	Exit / Rec.	Record	Exit
24	DVD-Audio / Eject	Eject	Prev. Ch.
25-29	1–5	1–5	1–5
30	6 / EX	6	6
31	7	7	7
32	8 / Direct	8	8
33	9 / LtRt	9	9
34	0 / HP	0	0
35	+10	1-100	* / Help
36	Enter	Enter	Enter / Memory
37	THX / Cinema	Program	Fav
38	Surr / Surround	Display	Info
39	ST / Stereo	Counter	PPV / Buy
40	Mono	Reset	P / Delete
41	AM	Auto Ch.	Page –
42	EQ	Add +	Page +
43	C+	Delete –	Day –
44	R+	Tape Speed	Day +
45	S+	VCR Plus	Record
46	FM	Tracking +	
47	Z	Tracking –	
48	C–	Auto Tracking	
49	R–	Slow –	
50	S–	Slow +	
51	M1	Index	
52	M2	QTR On	
53	M3	QTR Off	
54	M4	Edit	
55	Light	Light	Light

Using Your Remote

No.	*Button Name*	*CD Functions*	*DVD Functions*	*AUX Functions*
1-8	Device Name	CD (ON)	DVD (ON)	TAPE (ON)
9	Power / On	On / Off (OFF)	On / Off (Off)	On / Off (Off)
10	Mute	Mute / Fader		Mute / Rec. Mute
11	Off	Random		
12	VOLUME +	Vol. Up		
13	VOLUME –	Vol. Down		
14	CHANNEL +	Track + / Skip +	Skip >>I	
15	CHANNEL –	Track – / Skip –	Skip I<<	
16	Up / Pause	Pause	Pause	Pause
17	Down / Stop	Stop	Stop	Stop
18	Right / F.F.	F.F. / Search +	Fast Forward	Fast Forward
19	Left / Rew.	Rew. / Search –	Rewind	Rewind
20	Sel / Play	Play	Play	Play
21	Save / I<< / Mode	Search –	Set Up	Deck A
22	Menu / >>I	Search +	Menu	Deck B
23	Exit / Rec.		Clear	Record
24	DVD-Audio/ Eject	Eject / Intro	Open / Close	Rev. Play
25-29	1–5	1–5	1–5	1–5
30	6 / EX	6	6	6
31	7	7	7	7
32	8 / Direct	8	8	8
33	9 / LtRt	9	9	9
34	0 / HP	0	0	0
35	+10	Plus 10	10+	Deck A
36	Enter	Disc	Enter	Deck B
37	THX / Cinema	Program	Return	
38	Surr / Surround	Display	Display	
39	ST / Stereo	Repeat	Sub. On / Off	
40	Mono	Clear	Audio	
41	AM	Disc 1	Up	Rewind
42	EQ	Disc 2	Down	Forward Play
43	C+	Disc 3	Select	Fast Forward
44	R+	Disc 4	Angle	Stop
45	S+	Disc 5	Slow	Reverse Play
46	FM	A – B	Left	Pause
47	Z	Time	Right	Record
48	C–	Intro	Subtitle	
49	R–	Edit	Repeat	
50	S–		Random	
51	M1		A / B Repeat	
52	M2		T	
53	M3		Title	
54	M4		Memory	
55	Light	Light	Light	Light

Using Your Remote

B. Preprogrammed Set-Up

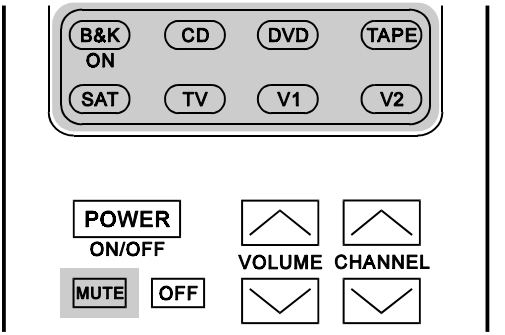
The AV7.1 universal remote control can operate up to eight separate audio and video devices or equipment. To program the remote control for your devices, please use the following steps.

Three Digit Code Method

1. Turn on the device you would like the remote control to operate, either manually or with your original remote control.
2. Find the three digit *Set-Up Code* Number for your device from the tables on pages 32 – 49.

Example: To set-up the remote to operate a SONY TV, go to the TV Set-Up Code table found on pages 36 – 38 and look for SONY under the Manufacturer / Brand column. You will find that the Set-Up Code numbers for SONY TVs are 070, 085, 126, 139, 147, and 185.

3. Press the corresponding *Device Button* (B&K, CD, DVD, TAPE, SAT, TV, V1, or V2) and the *MUTE* button on the remote control, simultaneously. **SET** will appear in the LCD.



Example: To set-up the remote to operate a TV, press the TV *Device Button* and *MUTE* button, simultaneously.

Using Your Remote

Note: ***SET*** *appears in the LCD for 20 seconds to indicate that the remote control is ready to be programmed. The following steps must be entered while* ***SET*** *appears in the LCD.*

4. Point the remote control toward the device that was turned on in Step 1 and enter in the first three-digit *Set-Up Code* number for that device using the number buttons (0-9) on the remote control. **SET** followed by the three-digit number will appear in the LCD.

Note: *If you have tried all of the three digit* ***Set-Up Code*** *numbers listed for your device and it still did not turn off, please proceed to the* ***Auto Search Method*** *on page* ***10*** *to program your remote control.*

5. Once your device turns off, press the *Device Button* selected in Step 3 once again to store the *Set-Up Code* number. **PASS** will flash in the LCD.

6. Test the remote control for your device. Try the *POWER, CHANNEL UP AND DOWN, VOLUME UP AND DOWN* buttons, etc. If any of the buttons do not perform as they should, please repeat the set-up from Step 1 using the next *Set-Up Code* number for your device.

Note: *Some audio and video devices have separate buttons for* ***POWER ON*** *and* ***POWER OFF.*** *To operate these devices on the remote, press the corresponding* ***Device Button*** *to turn the equipment* ***ON*** *and press the* ***POWER*** *button to turn the equipment* ***OFF****.*

7. Please repeat the above steps to program the remote control for each of your other devices.

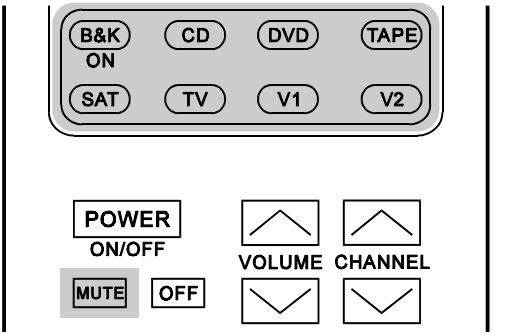
Using Your Remote

Auto Search Method

Please use this method if none of the *Set-Up Code* numbers worked for your device during the standard set-up procedure or if the manufacturer or brand for your device was no listed in the *Set-Up Code* Tables.

1. Turn on the device you would like the remote control to operate, either manually or with your original remote control.

2. Press the corresponding *Device Button* (B&K, CD, DVD, TAPE, SAT, TV, V1, or V2) and the ***MUTE*** button, simultaneously. **SET** will appear in the LCD.



3. Point the remote control toward the device and press the ***CHANNEL UP*** button on the remote control. Each button press sends the signal for one *Set-Up Code* number. Keeping the ***CHANNEL UP*** button pressed produces a quick scanning of the *Set-Up Code* numbers.

   Release the ***CHANNEL UP*** button as soon as the device turns off. Please confirm that you have the correct code by pressing the ***MUTE*** button on the remote control. You should be able to turn your device on and off with this button.

If you pass the correct *Set-Up Code* number, you can return to it by pressing the *CHANNEL DOWN* button, one *Set-Up Code* number at a time, until your device turns back on.

Note: *During programming, the signal for **POWER ON** and **POWER OFF** is located on the **MUTE** button. For devices that use separate **POWER ON** and **POWER OFF** buttons, pressing the **MUTE** button on the remote during the programming will only turn the device off.*

Using Your Remote

4. Once the correct code is confirmed, press the *Device Button* to store the *Set-Up Code* number. **PASS** will appear in the LCD.

5. Test the remote control for your device. Try the *POWER, CHANNEL UP AND DOWN, VOLUME UP AND DOWN* buttons, etc. If any of the buttons do not perform as they should, please repeat the set-up from Step 1 using the next *Set-Up Code* number for your device.

Note: *Some audio and video devices have separate buttons for **POWER ON** and **POWER OFF**. To operate these devices on the remote, press the corresponding **Device Button** to turn the equipment **ON and press the POWER** button to turn the equipment **OFF**.*

6. Please repeat the above steps to program the remote control for each of your other devices.

Recalling the Set-Up Code Number

To display the three-digit *Set-Up Code* number that was stored for a device.

1. Press the *Device Button* and ***MUTE*** button, simultaneously. **SET** will appear in the LCD.
2. Press the ***OFF*** button. The LCD will quickly flash the three-digit *Set-Up Code* number that was stored for your device in that mode.
3. Please write your *Set-Up Code* numbers in the chart below, for future reference.

Set-Up Code Numbers

B&K			
CD			
DVD			
Tape			

SAT			
TV			
V1			
V2			

Using Your Remote

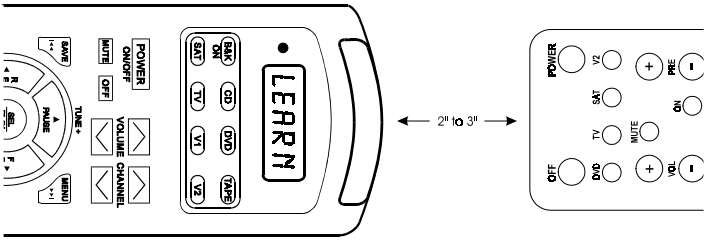
C. Learning Set-Up

The AV7.1 has the ability to learn new functions from your original remote controls:

- *There are 8 pages of learning with each page corresponding to the 8 Device modes on the remote control: B&K, CD, DVD, TAPE, SAT, TV, V1, or V2.*
- *All Buttons in all Device modes can learn, except the LIGHT button.*
- *The 8 Device buttons at the top of the remote control labeled B&K, CD, DVD, TAPE, SAT, TV, V1, or V2, can learn only in the Audio Mode (B&K).*
- *Learned functions override any existing preprogrammed functions on the remote control.*
- *Learned functions are automatically erased when a new function is learned on the same button.*
- *Learned functions are retained even after a different three-digit code number is programmed into the remote control.*
- *To erase a learned function and return to an original preprogrammed function, please refer to the section* ***Erasing Learned Functions*** *on page* ***15.***

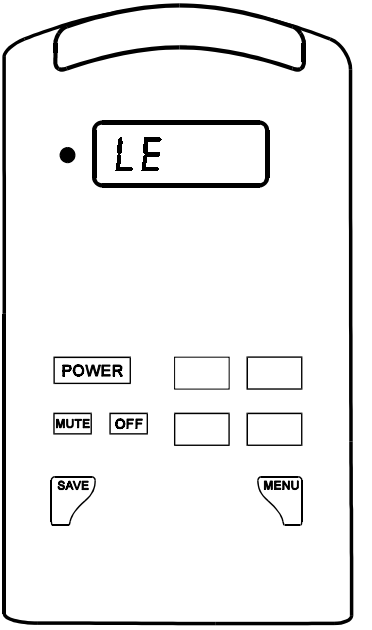
Learning New Functions on the Main Keypad

1. Select the mode in which you wish to learn the new function by pressing the corresponding *Device Button.*
2. Place the AV7.1 and the original remote to be learned from, on a flat level surface. Line up the remote controls head to head, approximately 2 to 3 inches apart.



Using Your Remote

3. Press and hold both the ***Device Button*** selected in Step 1 and the **SEL / PLAY** button for approximately three seconds, until the LCD on the AV7.1 shows **LEARN**. The AV7.1 is now in the learning mode.



Using Your Remote

Once you have stored the learned functions, test the buttons that have been taught. If any of the buttons do not operate as they should, please repeat from Step 1 for those buttons.

> **Note:** *If the LCD shows **FAIL** at any time during the learning process, the AV7.1 was unable to learn the new functions. Please repeat from Step 4. If the AV7.1 continues to show **FAIL** during the learning process, please try the following suggestions:*
>
> - *Increase or decrease the head to head distance between the two remote controls, with a one to six inch range.*
> - *Increase or decrease the time you press and hold the button on the original remote control in Step 5, for one to two seconds.*
> - *Avoid fluorescent lights or strong sunlight during the set-up. These lighting conditions can cause interference with the learning process.*
> - *Verify that the original remote control contains fresh batteries.*

Some remote controls operate at non-standard IR, UHF, or ultrasonic frequencies, and are unable to be learned. If you continue to experience difficulty during set-up, please contact the dealer you purchased your unit from or our customer service department for assistance.

Learning New Functions on Device Buttons

The eight Device buttons at the top of the remote control can also learn new functions. **These buttons can only be set up in the B&K mode**. If a new functions is learned on a Device button, the new function will override and existing preprogrammed information on the Device button.

1. Place the AV7.1 and the original remote control to be learned from, on a flat surface. Line up the remote controls head to head, approximately 2 to 3 inches apart.
2. Press and hold both the **B&K** and **SEL / PLAY** buttons simultaneously, for approximately three seconds, until the LCD on the AV7.1 shows **LEARN**. The AV7.1 is now in the learning mode.
3. Press and release one of the eight Device buttons on the AV7.1. The LCD will show **READY**.

Note: *Each of the following steps must be completed within 20 seconds. If the remote does not receive any commands within the allotted time, it will return to its normal operating mode.*

4. Press and hold the button on the original remote control that you wish to teach into the AV7.1, for approximately three seconds. The LCD on the AV7.1 will show - - - - - indicating that it is receiving information from the original remote control.
5. Release the button on the original remote control. The LCD on the AV7.1 will show **RETRY**.
6. Press and hold the same button on the original remote again, for approximately three seconds. The LCD on the AV7.1 will flash **GOOD**, the **Device Mode** and then return to **LEARN**, verifying that the new function has been learned.

Repeat steps 3 through 6 for any other Device buttons you wish to teach new functions.

7. Once you have completed the learning for all of the desired Device buttons, store the learned functions by pressing the **B&K** and **SEL / PLAY** buttons simultaneously, once again. The LCD in the AV7.1 will show **SAVED** and then return to the **B&K** mode. The remote control has now returned to the original operating mode.

Erasing Learned Functions

To erase learned functions, please refer to the following procedures:

Erasing Individual Buttons:

1. Press the Device button for the mode where the learned function has been stored.
2. Press and hold the **Device** and **SEL / PLAY** buttons simultaneously, for approximately three seconds, until the LCD shows **LEARN**.
3. Press and release the button to be erased. The LCD will show **READY**.
4. Press the **LIGHT** button. The LCD will flash **ERASE, CLEAR**, **Device Mode**, and then return to **LEARN**. Repeat Steps 3 and 4 for any other buttons to be erased.
5. Return to the normal operating mode, by pressing the **Device** and the **SEL / PLAY** buttons simultaneously.

The learned functions on the selected buttons have now been erased. The default preprogrammed functions for these buttons will now operate on the remote control.

Using Your Remote

Erasing All Functions in One Device Mode

1. Press the Device button for the mode to be erased.
2. Press and hold the **Device** and **SEL / PLAY** buttons simultaneously, for approximately three seconds, until the LCD shows **LEARN**.
3. Press and hold the **Device** and **LIGHT** buttons simultaneously, for approximately five seconds and then release the buttons. The LCD will flash **ERASE** and then alternately **CLEAR** and the **Device Mode**.

Note: This procedure takes about two minutes to complete. When the LCD on the remote control returns to the **Device Mode**, all the learned functions have in the selected Device Mode have been erased. All the buttons in that Device Mode will now operate with the default preprogrammed functions in that mode.

Erasing All Buttons in All Device Modes

1. Press and hold the **TV Device Button** and the **LIGHT** button simultaneously, for approximately ten seconds. The LCD will flash **ERASE** ten times, flash **CLEAR** and then return to the TV mode.

When the LCD on the remote control returns to **TV**, all the learned functions in all eight Device Modes have been erased. All buttons in all Device Modes will now operate with the default preprogrammed functions in their respective modes.

Using Your Remote

D. Operation

After you have programmed the remote control for your equipment, use the following procedures to operate your home entertainment system:

1. Press the ***Device Button*** that you wish to operate: i.e. to operate a TV, press the **TV** *device button*: to operate a VCR, press the **V1** *Device Button*, etc.
2. Aim the remote control at the device and press the **POWER** button to turn the device on.
3. Press the buttons that send out the commands you desire.

Note: *Some audio and video devices have separate buttons for **POWER ON** and **POWER OFF**. To operate these devices on the remote, press the corresponding **DEVICE** button to turn the equipment **ON** and press the **POWER** button to turn the equipment **OFF**.*

Please try all the functions of this remote control with your equipment. The most common functions are labeled on the remote. However, some of the secondary functions might be stored under a button that has a different name from the one on your original remote control. Please refer to the Function Tables on pages 5 – 7 for details.

Device Buttons

Pressing a Device button at the top of the remote performs the following functions:

1. *Changes the Device Mode on the AV7.1 remote control.*
2. *Sends out a Power On command for the Device, if applicable.*
3. *Sends out a preprogrammed or learned Audio Receiver / Preamplifier INPUT SELECTION, on a second press of the buttons if applicable.*
4. *Toggles between Automatic Audio Mode and Device Mode*

Note: *Once a device button is pressed, the remote will control that device which was chosen. In order to regain control of your B&K Receiver / Preamplifier you must press the **B&K** device button once. Also, device buttons can learn new information only in the **B&K** Mode. Please refer to page 14 for details.*

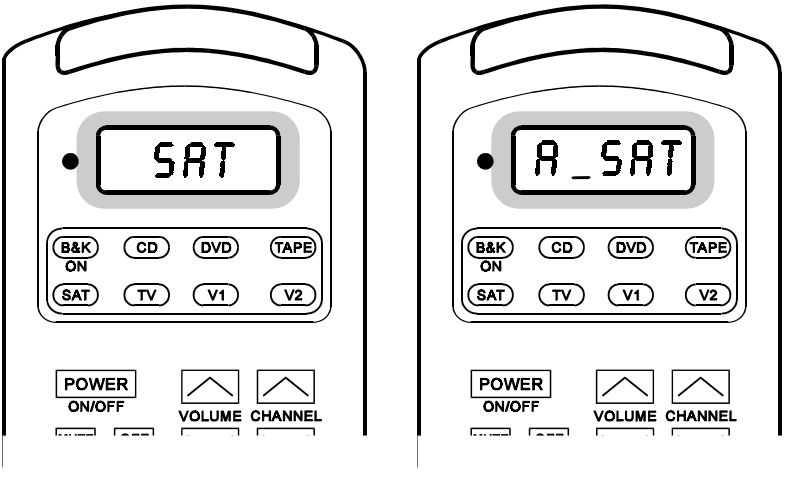
Using Your Remote

Main Device Mode

When the main Device Mode is displayed in the LCD, the AV7.1 will operate in a standard operating mode and all the buttons will operate the preprogrammed, learned and punch through features for that Device Mode.

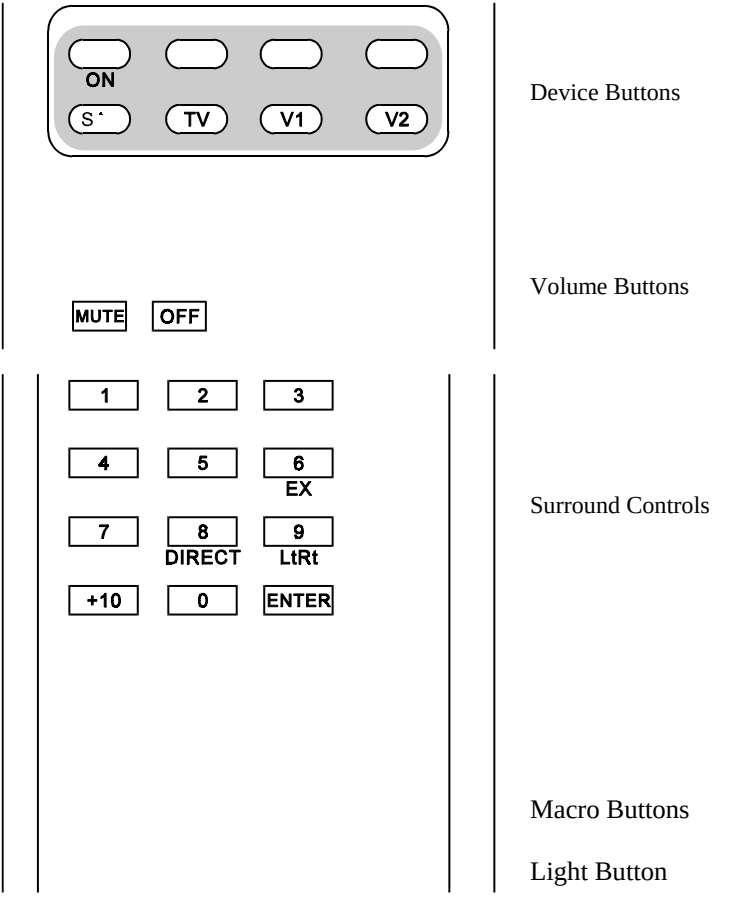
Automatic Audio Mode

The AV7.1 is designed to provide convenient and continuous operation of your home theater system's A/V Receiver / Preamplifier. You can have full and immediate access to your receiver's audio volume and surround controls in seven different device modes of the remote control by pressing the same Device button a second time. The Automatic Audio Mode enables you to watch a video program or listen to a CD and also adjust your audio volume and surround levels in the same Device Mode. The LCD will show ***A_XXX*** indicating that the remote control is in the Automatic Audio Mode.
Example: Pressing the **SAT** Device button a second time will change the LCD from **SAT** to **A_SAT**.



In this mode you gain control of the receiver or preamplifier volume and surround levels while also maintaining full control of the Channel, Transport, and Numeric Keypad of the device in the same mode.

Using Your Remote



Backlighting

All the buttons and the LCD on the AV7.1 are backlit for eight seconds when the **LIGHT** button is pressed. The backlight is extended an additional eight seconds with any button press while the backlight is on.

Advanced Features

After you set-up the remote control to operate your equipment, you can also program advanced features on the remote control. The advanced features are designed to enhance the use of the remote control with your home entertainment system.

A. Punch Through

Volume Control "Punch Through"

You can program the remote control so that either the *AUDIO or TV Volume Control (VOLUME UP, DOWN, and MUTE)* will also operate in other modes on the remote control.

Example: Raise, lower and mute the *Volume* of your Audio receiver while the remote control is in the Satellite mode.

Note: *When this feature is active, the B&K or TV* ***VOLUME*** *and* ***MUTE*** *will override any existing volume controls in that mode.*

To Set-Up

1. Select the mode that you wish to program for *Volume Control "Punch Through."*
2. Press the corresponding **Device** and **MUTE** buttons, simultaneously. **SET** will appear in the LCD.
3. Press the **VOLUME UP** button. **PUNCH** will appear in the LCD.
4. Press either the **B&K Device** button to set-up for the *Audio Volume Control* or the **TV Device** button to set-up for *TV Volume Control*. **B&K** or **TV** will flash in the LCD, depending on which Device Button was selected.

B&K or TV Volume Control **will now override the original** ***VOLUME and MUTE*** **functions in this mode.**

To Return to the Original Setting

1. Select the mode that you want to turn off the *Volume Control "Punch Through."*
2. Press the corresponding **Device** and the **MUTE** buttons, simultaneously. **SET** will appear in the LCD.
3. Press the **VOLUME UP** button. **PUNCH** will appear in the LCD.
4. Press the same **Device** button, again. The **Device Mode** will flash in the LCD.

The B&K or TV ***Volume Control " Punch Through"*** **is now turned off. The** ***VOLUME*** **and** ***MUTE*** **of the original device will operate on the remote control.**

Advanced Features

Channel Control "Punch Through"

You can program so that either the *SAT* or *V2 Channel Controls (CHANNEL UP* and *DOWN)* will also operate in other modes on the remote control.

Example: Change *CHANNEL UP* and *DOWN* on your *satellite* while the remote is in the TV mode.

Note: *When this feature is active,* ***SAT or V2 CHANNEL UP and DOWN*** *will override any existing channel controls in that mode.*

To Set-Up

1. Select the mode that you wish to program for *Channel Control "Punch Through."*
2. Press the corresponding ***Device and MUTE*** buttons, simultaneously. **SET** will appear in the LCD.
3. Press the **VOLUME DOWN** button. **PUNCH** will appear in the LCD.
4. Press either the **SAT Device** Button to set-up for *SAT Channel Control (Satellite)* or the *V2 Device Button* to set-up for *V2 Channel Control (Cable).* Either **SAT** or **V2** will flash in the LCD, depending on the *Device Button* selected.

SAT or V2 Channel Controls will now override the original CHANNEL UP and DOWN in this mode.

To Return to the Original Setting

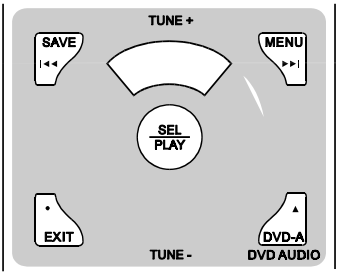
1. Select the mode that you want to turn off the *Channel Control "Punch Through."*
2. Press the corresponding ***Device*** and the ***MUTE*** button, simultaneously. **SET** will appear in the LCD.
3. Press the ***VOLUME DOWN*** button. **PUNCH** will appear in the LCD.
4. Press the same **Device** button, again. The **Device Mode** will flash in the LCD.

The* V1 (VCR) *or* V2 (cable) Channel Control "Punch Through" *is now turned off. The* CHANNEL UP *and* DOWN *of the original device will now operate on the remote control.

Advanced Features

Transport Control "Punch Through"

You can set-up your remote control so that *V1* or *CD Transport Controls* (*PLAY, STOP, FAST FORWARD, REWIND, PAUSE,* and *RECORD*) will also operate in other modes on the remote.



Example: Control V1 functions while operating the remote control in the ***TV*** mode.

Note: *When this feature is active, the **V1 or CD** functions **(PLAY, STOP, FAST FORWARD, REWIND,** and **RECORD**) will override any existing functions pre-assigned to these buttons in that mode.*

To Set-Up

1. Select the *Device Mode* into which you want to program *Transport Control "Punch Through."*
2. Press the corresponding ***Device*** and ***MUTE*** buttons, simultaneously. **SET** will appear in the LCD.
3. Press the ***SELECT / PLAY*** button. **PUNCH** will appear in the LCD.
4. Press either the **V1 Device Button** to set-up for ***V1 Transport Control*** or the CD Device Button to set-up for ***CD Transport Control.*** **V1** or **CD** will flash in the LCD, depending on the ***Device Button*** selected.

The V1 or CD Transport Controls (PLAY, STOP, FAST FORWARD, REWIND, PAUSE, and RECORD) will now override the original functions of the buttons in this mode.

To Return to the Original Setting

1. Select the *Device Mode* that you want to turn off *Transport Control "Punch Through."*
2. Press the corresponding ***Device*** *and the* ***MUTE*** button, simultaneously. **SET** will appear in the LCD.
3. Press the ***SELECT / PLAY*** button. **PUNCH** will appear in the LCD.
4. Press the *Device Button* again. The **Device Mode** will flash in the LCD.

The *V1* or *CD Transport Control "Punch Through"* feature is now turned off. The original functions assigned to these buttons are restored.

Advanced Features

Macro Buttons

The buttons labeled *M1, M2, M3, M4, and POWER* can be used as *macro buttons*. Each of these *macro buttons* can send out up to 15 commands with the press of one button. *Macro buttons* can be used to turn on and off multiple components with one button or to directly access favorite channels. The POWER button can operate as a POWER command for a single device or as a macro button that can send out multiple commands to multiple devices.

Note: The **MUTE** button is used to designate **POWER** commands during **Macro Button** programming. See the **Example: Macro Button Programming**, for further description.

The five *macro buttons* (M1, M2, M3, M4, and POWER) operate in two discrete sections on the remote control: Section 1 and Section 2. Section 1 consists of the B&K, CD, DVD, and TAPE device modes. Section 2 consists of the SAT, TV, V1, and V2 device modes.

Macro Buttons M1-M4 and POWER for Section 1 are programmed using the **B&K** device button. The M1-M4 and POWER buttons will operate exactly the same in all four of the Section 1 device modes (B&K, CD, DVD, TAPE). *Macro buttons M1-M4 and POWER* for Section 2 are programmed exactly the same in all four of the Section 2 device modes (SAT, TV, V1, V2).

Example: If the M1 button is programmed is in Section 1 to turn on the TV, turn on the audio receiver, turn on the VCR, and turn on the satellite receiver, it will perform the same series of commands when then M1 button is pressed in the B&K, CD, DVD, and TAPE device modes.

- **Favorite Channels**
  Macro Buttons can provide direct access to your favorite channels with the pressing of a single button.

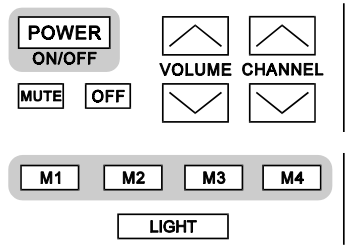
- **Macro Commands**
  Macro Buttons can store multiple selections, including Power On / Off sequences.

Example: In the B&K mode, the POWER Macro Button can be programmed to turn on the TV, turn on the Audio Receiver, turn on the VCR, and turn on the Satellite receiver with the push of one Macro Button.

Advanced Features

- **"Relocating" Functions**
  Macro Buttons can be programmed to store functions from one mode and transfer them into other modes.

Example: In the *B&K* mode, *Macro Buttons* can store various functions from the TV, V1, and Satellite modes.



Programming Macro Buttons

1. Select the mode that you wish to program the *Macro Button* in by pressing the corresponding ***Device Button*** (B&K, CD, DVD, TAPE, SAT, TV, V1, or V2) and ***MUTE*** button, simultaneously. **SET** will appear in the LCD.
2. Press one of the *Macro Buttons* (M1, M2, M3, M4, or POWER) into which you wish to store functions. **M(1-5)__# #** will appear in the LCD.
3. Press in up to ten commands that you want stored in that *Macro button.* Each successive button selection will appear as **M(1-5)__(01-10)** in the LCD. You can select functions from another mode by first pressing the corresponding ***Device Button*** and then the buttons where those functions are located within that mode. The selection of a *Device Button* also counts as one command.

Note: ***Each insertion of a Device Button adds a ½ second delay to the command sequence.***

4. Press the ***CHANNEL UP*** button to store your selections. **SAVE** will flash three times in the LCD to confirm the programming.

Note: ***It can take up to ten seconds to send out 10 commands from a memory button.*** *Please continue to point the remote control at the device(s) until all the commands on the* ***Macro Button*** *have been sent out. This will ensure that all the commands are received by the device(s).*

Advanced Features

Example – Memory Button Programming

To program *Macro Button **M2*** in the B&K mode to send the following commands: turn on the Audio Receiver, turn on the TV, turn on a VCR, and turn on a Satellite Receiver.

1. Press the ***B&K Device*** and the ***MUTE*** button, simultaneously. **SET** will appear in the LCD.
2. Press ***Macro Button M2***. **M2__# #** will appear in the LCD.
3. Press the ***MUTE*** button (to turn on the Audio Receiver)
   M2__01 will appear in the LCD.
   Press the ***TV Device Button*** (to change to the TV mode)
   M2__02 will appear in the LCD.
   Press the ***MUTE*** button (to turn on the TV)
   M2__03 will appear in the LCD.
   Press the ***V1 Device Button*** (to change to the VCR)
   M2__04 will appear in the LCD.
   Press the ***MUTE*** button (to turn on the VCR)
   M2__05 will appear in the LCD.
   Press the ***SAT Device Button*** (to change to SAT mode)
   M2__06 will appear in the LCD.
   Press the ***MUTE*** button (to turn on the Satellite receiver)
   M2__07 will appear in the LCD.
4. Press the ***CHANNEL UP*** button. **SAVE** will flash in the LCD, and the remote control will return turn to the B&K mode.

Erasing Macro Buttons

1. Select the Device mode / Section in which you want to erase the ***Macro Button.***
2. Press the corresponding ***Device*** and ***MUTE*** buttons, simultaneously. SET will appear in the LCD.
3. Press the ***Macro Button*** to be erased. **M(1-5)__# #** will appear in the LCD.
4. Press the ***CHANNEL UP*** button. **SAVE** will flash in the LCD. The ***Macro Button*** is now erased.

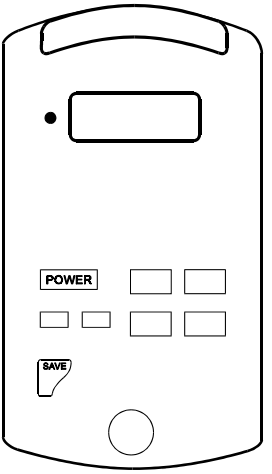
Note: *Any previously stored commands on a **Macro Button** will be erased when new commands are stored on the same **Macro Button**.*

Advanced Features

C. Changing the LCD Display

Twenty-five different LCD displays can be selected for each Device Mode of the remote control. To select an alternate LCD display, please use the following procedure:

1. Press and hold the **Device Button** for which you would like to change the LCD setting.
2. While pressing the **Device Button**, press and release the **MENU** button. Each time the **MENU** button is pressed, the LCD will show one of twenty-five displays.
3. Release the **Device Button** when you find the display you wish to assign to the Device mode.



Advanced Features

D. Programming a Second TV, VCR, etc. to Other Device Buttons.

This feature is used to program the remote control for two or more TVs, VCRs, etc. or to program a device into a mode with a different ***Device Button*** name. You can store the three-digit ***Set-Up Code*** number for any device into any other unused ***Device Button.***

Example: If your home entertainment system contains two VCRs. First, using the ***V1 Device*** button, program the remote via standard set-up to operate the first VCR. Then, program your second VCR into a ***Device Button*** that is not being used i.e., ***V2*** using this method.

1. Turn on the device.
2. On the remote control, press the ***Device Button*** that you will assign for the device and the **MUTE** button, simultaneously. **SET** will appear in the LCD.
3. Press the ***Device Button*** that corresponds to the original device. That Device will flash in the LCD. **SET** will still appear in the LCD.
4. Locate the ***Set-Up Code*** number for the device from the tables found on pages 38 – 55.
5. Point the remote toward the device and press in the first ***Set-Up Code*** number. **SET**, followed by the ***Set-Up Code*** number will appear in the LCD.

Your device will turn off when the correct ***Set-Up Code*** number has been selected. If it does not turn off, select the next ***Set-Up Code*** number from the table, and press in that code number. When your device turns off, proceed to Step 6.

6. Press the ***Device Button*** that was selected in Step 2 to store the ***Set-Up Code*** number. **PASS** will flash in the LCD to confirm the programming.

The second device can now be operated by pressing the assigned ***Device Button*** and using the buttons within this mode.

Example: To get a second TV to work in the ***V1 Device Button***, when you already have a TV programmed into the ***TV Device Button***. Press **MUTE** and **V1** simultaneously. **SET** will appear in the LCD. Press the ***TV Device Button***, and TV will flash in the LCD, **SET** reappears in the LCD. Enter the three-digit code number corresponding to your TV. Press the **V1** button again. **PASS** will flash in the LCD. Now you can use another TV when using the **V1** ***Device Button***.

Warranty

The AV7.1 System Controller comes with a One-year warranty from the date of purchase.

Specifications

Model
B&K AV7.1, infrared remote control

Power
Four 1.5V AAA Batteries

Dimensions (h/w/d)
7.88 x 2.5 x 1.25 inches

Weight
6.5 oz. (with batteries)

Glossary

Cursor Control
Buttons that correspond to the UP, DOWN, LEFT, RIGHT, SELECT, GUIDE, MENU, and EXIT functions of your audio / video equipment.

Device
Audio or video equipment, i.e. Television, VCR, Cable box, Audio receiver, Satellite receiver, etc.

Device Button
Any of the eight buttons located at the top of the remote control labeled B&K, CD, DVD, TAPE, SAT, TV, V1, and V2. *Device Buttons* are used to select modes of operation and to program the remote control.

Learning
Transfer of a function from a button of an original remote control to a button on the AV7.1 remote control.

LCD
Liquid Crystal Display window located at the top of the remote control. During normal operation the LCD indicates the mode. The LCD also indicates the remote's programming status.

Macro Buttons
Buttons labeled M1, M2, M3, M4, and POWER. These buttons can be programmed to store Favorite Channels, Macro Commands, or to "relocate" functions from one mode to another.

Modes
Modes correspond to *Device Button* selections. Modes are displayed in the LCD as B&K, CD, DVD, TAPE, SAT, TV, V1, and V2. Modes indicate the type of device the remote control is currently operating.

Punch Through
Advanced feature that enables you to operate Volume, Channel, or Transport Control functions of one device while in another device mode.

Example: Audio Volume Control "*Punch Through"* gives you the ability to raise, lower, and mute your Audio Receiver volume while operating the remote control in the TV mode.

Glossary

Set-Up Code

The three-digit number that is used to program the remote control for your particular manufacturer or brand of audio / video equipment. *Set-Up Code* numbers are located in the table in the appendix, on pages 32 – 49 of the instruction manual. *Set-Up Code* numbers are categorized by type of device, i.e. Audio, Satellite, TV, V1, V2, CD, DVD, and Tape.

More than one *Set-Up Code* number may work with your device. You should test the functions for each of the *Set-Up Code* numbers that work with your device to determine the best *Set-Up Code* number for your particular device.

Note: *Some Devices, such as CD players and DVD decks that do not have* ***POWER*** *buttons on their original remote controls my not shut off during programming. For these devices, it may be necessary to first store the* ***Set-Up Code*** *number and then test functions like PLAY, STOP, etc., to determine if the correct* ***Set-Up Code*** *number has been selected.*

Transport Control

Buttons that correspond to the PLAY, STOP, FAST FORWARD, REWIND, PAUSE, SEARCH / SKIP and RECORD functions on your audio / video equipment.

Appendix

Assignment of Audio / Video Equipment

Please use the following listing to locate the correct ***Set-Up Code*** Tables for your equipment.

Audio Set-Up Code Table:
Audio Receivers, Preamplifiers, Surround Processors

Satellite Set-Up Code Table:
DSS, Primestar, DBS, Echostar, C Band Receivers

TV Set-Up Code Table:
TVs, Monitors, Video / LCD Projectors

V1 Set-Up Code Table:
VCRs, TV / VCR Combination Units

V2 Set-Up Code Table:
Cable Boxes, Internet / TV Set-Tops

CD Set-Up Code Table:
CD Players, CD Changers

DVD Set-Up Code Table:
DVD Players, Laser Disc

Tape Set-Up Code Table:
Cassette Tape Players, DAT Systems, MiniDisc, Switchers, Lighting, Home Control Devices, and Line Doublers

Set-Up Code Tables

Audio

Manufacturer / Brand	*Set-Up Code Number*
ADCOM	082 092 161 225
AIWA	018 104 170 188 202 203 211 213
AKAI	138 189
AMC	125 126 127 128
ANGSTROM	142
ARCAM	141
AUDIO ACCESS	147
AUDIO ALCHEMY	135
AUDIO DESIGN	194 221
AUDIO EASE	021
AUDIO MATRIX	167
AUDIOFILE	071
AUDIO TECHNICA	134
B & K	001 (ZONE 1) 002 (ZONE 2) 003 004 005 006
	007 008 009 010 011 012 013 014 015 016*
BOSE	070 170
BRYSTON	023
CARVER	022 027 28 029 061 077 180 185 201 214 226
CASIO	076
CHIRO	140
CINEMA SOUND	034
CITATION	148
CLARION	026
CURTIS MATHES	076
DENON	027 034 037 087 109 215 229 230 234
ELAN	057
ENLIGHTENED AUDIO	098 099
FISHER	029 047 180 214
FOSGATE	062 231
GENERAL ELECTRIC	056
HARMAN KARDON	118 121 153 154 231 233 254
HITACHI	020
JC PENNY	076
JENSEN	058
JVC	114 163 190 191 240
KENWOOD	026 066 145 146 180 190 192 197 199 222
KRELL	072 150
LEXICON	120 235 236 237
LINN	124
LUXMAN	052 089 115 137 139 165
LXI	056 076

Set-Up Code Tables

Audio

Manufacturer / Brand	*Set-Up Code Number*
MAGNAVOX	086 152 164 208
MARANTZ	028 031 040 063 185 186 251
MCINTOSH	238
MCS	076 079
MERIDIAN	100
MITSUBISHI	021 204 242 243
MONDIAL	042 043 112 157 158
NAD	113 186
NAKAMICHI	111 172 183 244 245
NEC	176
ONKYO	017 046 064 079 080 090 107 108 187
OPTIMUS	026 041 138
PANASONIC	032 177 195 219
PARASOUND	129 130 132
PHILIPS	063 249 250 251
PIONEER	033 035 039 044 045 050 069 078 098 116 159 168
PROCEED	144
RCA	048 067 117 156
REALISTIC	019 056 073 075 078 095
ROTEL	074 083 085
SANSUI	035 040 048 110 119
SANYO	047 051 059
SCOTT	019 091
SEARS	076
SHARP	026 094 131 175
SHERWOOD	024 038 051 055 102 103 105 106
SONY	018 047 093 101 160 166 218 223 247 248
SOUNDESIGN	036
SOUNDSTREAM	118
SSI	068
SUMO	171
TEAC	019 049 111 212
TECHNICS	122 176 177 178 193 200 219
THETA DIGITAL	136
TOSHIBA	060
WARDS	051
YAMAHA	026 067 084 169 173 205 253
ZENITH	143

* For Future Applications

Set-Up Code Tables
Satellite

Manufacturer / Brand	*Set-Up Code Number*
BIRDVIEW	129
B & K	001 002*
CHANNEL MASTER	013 014 015 018 036 055
CHAPARRAL	008 009 012 077
CITOH	054
DRAKE	005 006 007 010 011 112 116 141
DX ANTENNA	024 046 056 076
ECHOSTAR	038 040 057 058 093 094 095 096 097 098 099
	100 122
EUROSAT	114
FUJITSU	017 021 022 027 133 134
GENERAL ELECTRIC	106
GENERAL INSTRUMENT	003 004 016 029 031 059 101
HITACHI	139 140
HOME CABLE	029 044 080
HOUSTON TRACKER	033 037 039 057 104
IRC	023
LEGEND	057
LUXOR	144
MACOM	010 059 063 064 065
MEMOREX	057
NEXTWAVE	028
PACE	143
PANASONIC	142
PANSAT	121
PERSONAL CABLE	117
PHILIPS	071
PL	023 026
PRESIDENT	019 102
PRIMESTAR	030 110
PROSCAN	106
RCA	106

Set-Up Code Tables

Satellite

Manufacturer / Brand	*Set-Up Code Number*
REALISTIC	043 074
SAMSUNG	123
SATELLITE SERVICE	028 035 047 085
SONY	103
SUPERGUIDE	020
TEE COM	023 026 075 087 088 090 107 130 137
TOSHIBA	127
TOWN & COUNTRY	023 026
UNIDEN	016 025 042 043 044 045 048 049 078 079 080
	086 101 135 136
US ELECTRONICS	023
ZENITH	081 082 083 084 091 120

* For Future Applications

Set-Up Code Tables

TV

Manufacturer / Brand	*Set-Up Code Number*
3M	152
AIWA	015 071 100 114
ARCHER	155
B & K	001 002 003*
CARVER	006 008 024 027
DENON	105 227 229
DMX	156
EXTRON	151
FISHER	064
GOLDSTAR	011
HARMAN KARDON	233
JVC	106 116 185 239 240
KENWOOD	005 013 023 026 064 145 146 181 190
LINN	124
LUTRON	158 159
LUXMAN	035 137 139
MAGNAVOX	027
MAKITA	186
MARANTZ	014 027 056 065 087
MCINTOSH	238
NAD	029 048
NAKAMICHI	025 244 245
NILES	160 187
NSM	161
ONKYO	012 016 017 018 019 115
OPTIMUS	026 054 055
PANASONIC	007 010 032 088 195
PHILIPS	027 087
PIONEER	039 047 050 066 098 222
POLK AUDIO	162
QUASAR	007 088
S/A	163
SANSUI	027 119 224
SHARP	026 057 131 175 181
SHERWOOD	004 028 030 033 034
SONY	020 022 052 084 089 164 165 166
TEAC	009 059 212
TECHNICS	007 010 076 088 109 122 193
TOSHIBA	112

Set-Up Code Tables

TV

Manufacturer / Brand	*Set-Up Code Number*
JCPENNY	004 008 009 024 030 065 101 143 156 160 201
JENSEN	013
JVC	034 038 070 083 145
KEC	043
KENWOOD	070 201
KLOSS	059
KMC	143
KTV	043 143 154 201
LODGENET	072
LOGIK	072
LUXMAN	004
LXI	007 015 052 081 160 164 166
MAGNAVOX	004 022 59 060 061 063 064 094 127 160 164 201
MARANTZ	164 201
MATSUI	164
MEMOREX	004 007 072
METZ	088
MGA	004 024 028 042 201
MINERVA	088
MITSUBISHI	004 024 028 040 042 109 124 146 191
MTC	004 062 101 201
NAD	015 025
NEC	016 019 024 040 056 130 132 134
NIKEI	043
ONKING	043
ONWA	043
OPTONICA	019 081
PANASONIC	034 056 080 092 164
PHILCO	004 024 056 059 060 063 064 164 201
PHILIPS	004 005 038 059 093 127 164 201
PIONEER	018 023 025 116 135 190 201
PORTLAND	004 143
PROSCAN	144 160 161 165 167
PROTON	004 058 131 143 171 173
QUASAR	034 056 092
RADIO SHACK	004 019 043 127 143
RCA	004 023 024 056 065 074 144 152 156 160 161 165
REALISTIC	007 019 043 047
ROTEC	186
RUNCO	168 169 178 179 180 181 182 183
SAMPO	004 058 201

Set-Up Code Tables

TV

Manufacturer / Brand	*Set-Up Code Number*
SAMSUNG	004 050 089 101 105 127 143 160
SANYO	007 020 053 057 082 166
SCOTT	004 028 043 048 143
SEARS	004 007 015 028 030 057 082 094 143 160 165
SHARP	004 014 19 022 028 029 081 143 170 175
SIEMENS	088
SIGNATURE	072
SONY	070 085 126 139 147 185
SOUNDESIGN	004 028 043
SPECTRICON	112
SSS	004 043
SYLVANIA	044 059 060 063 064 127 160 164 201
TANDY	081
TATUNG	056 062
TECHNICS	034 080
TECHWOOD	004
TEKNIKA	004 024 028 043 072 101 0143
TELEFUNKEN	037 046 086 087
TELERENT	072
TERA	172
TMK	004
TOSHIBA	007 015 030 040 062 101 138
TOTEVISION	143
UNIVERSAL	008 009
VIDEO CONCEPTS	146
VIDIKRON	174 184 188 192
VIDTECH	004
WARDS	004 008 009 019 028 060 061 063 064 072 074 143 164
YAMAHA	004 201
YORK	004
YUPITERU	043
ZENITH	072 073 095 103 157
ZONDA	112

* For Future Applications

Set-Up Code Tables
V1

Manufacturer / Brand	*Set-Up Code Number*
AIWA	034
AKAI	016 043 046 124 125 142 146
AMPRO	072
ANAM	031
AUDIO DYNAMICS	012 023 039 043
B & K	001*
BROOKSONIC	035 037 129
CANON	028 031
CAPEHEART	108
CRAIG	003 040 135
CURTIS MATHES	031 041
DAEWOO	005 007 010 065 108 110 111 112 116 117 119
DAYTRON	108
DBX	012 023 039 043
DYNATECH	034 053
ELECTROHOME	059
EMERSON	006 017 025 027 029 031 034 035 036 037 046
	101 129 131 138 153
FISHER	003 008 009 010
FUNAI	034
GENERAL ELECTRIC	031 063 072 107 109 144 123
HARMAN KARDON	012 045
JCL	031
JCPENNY	012 013 015 040 066 101
JENSEN	043
JVC	012 031 043 048 050 055 060 130 150 0152
KENWOOD	014 034 047 048
LLOYD	034
LXI	003 009 017 034 106
MAGIN	040
MAGNAVOX	031 034 041 067 068
MARANTZ	012 031 067 069
MARTA	101
MATSUI	027 030
MEI	031
MEMOREX	003 010 014 031 034 053 072 101 0102 134 139
MGA	045 046 059

Set-Up Code Tables
V1

Manufacturer / Brand	*Set-Up Code Number*
MINOLTA	013 020
MITSUBISHI	013 020 045 046 051 059 061 142 151
MTC	034 040
MULTITCH	024 034
NEC	012 023 039 043 048
NORDMENDE	043
OPTONICA	053 054
PANASONIC	066 070 083 133 140 145
PENTAX	013 020 031 063
PHILCO	031 034 067
PHILIPS	031 034 054 067 071 101
PILOT	101
PIONEER	013 021 048
PORTLAND	108
PULSAR	072
QUARTZ	014
QUASAR	066 145
RADIO SHACK	123
RCA	013 020 034 040 041 107 109 140 144 145 147
REALISTIC	003 008 010 014 031 034 040 053 054 101
RICO	058
RUNCO	148
SALORA	014
SAMSUNG	032 040 102 104 107 109 112 113 115 120 122 125
SANSUI	022 043 048 135
SANYO	003 007 010 014 102 134
SCOTT	017 037 112 129 131
SEARS	003 008 009 010 013 014 017 081 101
SHARP	031 054 149
SHINTOM	024
SIGNATURE	034
SONY	003 031 052 056 057 058 076 077 078 149 154
SOUNDESIGN	034
STS	013
SYLVANIA	031 034 059 067
SYMPHONIC	034
TANDY	010 034
TATUNG	039 043
TEAC	034 039 043
TECHNICS	031 070
TEKNIKA	019 031 034 101

Set-Up Code Tables
V1

Manufacturer / Brand	*Set-Up Code Number*
THOMAS	034
TMK	006
TOSHIBA	008 013 042 047 059 079 082 112 131
TOTEVISION	040 101
UNITECH	040
VECTOR RESEARCH	012
VICTOR	048
VIDEO CONCEPTS	012 034 046 141
VIDEOSONIC	040
WARDS	003 013 017 024 031 034 040 053 054 131
YAMAHA	012 034 039 043
ZENITH	034 048 056 058 072 080 101

* For Future Applications

Set-Up Code Tables
V2

Manufacturer / Brand	*Set-Up Code Number*
ABC	003 004 039 042 046 053 201
AMERICAST	099
ANTRONIX	014
ARCHER	005 007 014
B & K	001*
CENTURION	092
CENTURY	007
CITIZEN	007
COMBANO	080 081
EAGLE	020 040
EASTERN	057 066
ELECTRICORD	032
GENERAL ELECTRIC	072
GEMINI	008 054
GENERAL INSTRUMENT	074 201
HAMLIN	049 050 055
HITACHI	055 201
JERROLD	003 004 008 009 010 069 074 2
M-NET	037
MAGNAVOX	010 012 064 079 094 095

Set-Up Code Tables
V2

Manufacturer / Brand	*Set-Up Code Number*
TOCOM	039 040 056
TOSHIBA	052
UNIKA	007 014
UNITED CABLE	004 053
UNIVERSAL	005 007 014 032 035
VIEWSTAR	012 015 018 086 087 088 089
ZENITH	052 060 093

* For Future Applications

Set-Up Code Tables

CD

Manufacturer / Brand	*Set-Up Code Number*
ADCOM	042 062
AIWA	059 065 088 089 105 122 170 187
AKAI	202
AMC	231 232
ARCAM	238
AUDIO ACCESS	119 147
AUDIO EASE	165
AUDIO TECHNICA	046
B & K	001 002
BSR	037 057
CALIFORNIA AUDIO	103
CAPETRONIC	063
CARRERA	057 080
CARVER	041 050 086 107 130 134 135 138 139 167 203 204
CASIO	111 182
CLARINETTE	182
CREEK	159
CROWN	035
DENON	123
EMERSON	042 069 102
FISHER	050 134
FRABA	111
GENEXXA	010 069 102
GOLDSTAR	080
HAITAI	093
HARMAN KARDON	018 033 047 208
HITACHI	042 175
INKEL	130 143 144
JC PENNY	014 061 092 141
JENSEN	158
JVC	004 022 136 163 213 214
KENWOOD	007 013 023 055 071 072 137 142
KOSS	061
KRELL	241
KYOCERA	005
LOTTE	102
LUXMAN	011 070 076
LXI	059
MAGNAVOX	107
MARANTZ	027 041 051 077 107 209 211
MCINTOSH	212

Set-Up Code Tables

CD

Manufacturer / Brand	*Set-Up Code Number*
MCS	014 073 092
MEMOREX	010
MGA	025
MISSION	107
MITSUMI	153
MODULAIRE	182
MONDIAL	147
NAD	005 006 067
NAKAMICHI	095 217 218 219
NEC	014 062
NIKKO	046
NSM	107
ONKYO	030 038 039 168
OPTIMUS	010 013 050 057 058 081 082 083 085 093
PANASONIC	103 172 201
PARASOUND	233
PHILIPS	041 107
PIONEER	010 020 025 056 174 175 176
PROCEED	239
PROTON	107 228
QUASAR	103
RCA	017 042 150
REALISTIC	042 050 051 102 181 182 187
ROTEL	107
SAE	107
SANSUI	069 107 125 128 171 190
SANYO	050
SCOTT	069 102
SHARP	013 026 031 051 066
SHERWOOD	003 019 051 096 112 115 119 166
SIGNATURE	033
SUMO	155
SYLVANIA	107
SYMPHONIC	052 181
TANDY	010
TEAC	013 034 036 051 052 101 0131 140
TECHNICS	060 103 172 200
TECHWOOD	076
THETA DIGITAL	234 235

Set-Up Code Tables

CD

Manufacturer / Brand	*Set-Up Code Number*
TOSHIBA	006 067 091 148 160
VECTOR RESEARCH	080
VICTOR	004 022 114 124
WARDS	033
YAMAHA	024 046 054
YORX	182

* For Future Applications

Set-Up Code Tables

TAPE

Manufacturer / Brand	*Set-Up Code Number*
3M	152
AIWA	015 071 100 114
ARCHER	155
B & K	001 002 003*
CARVER	006 008 024 027
DENON	105 227 229
DMX	156
EXTRON	151
FISHER	064
GOLDSTAR	011
HARMAN KARDON	233
JVC	106 116 185 239 240
KENWOOD	005 013 023 026 064 145 146 181 190
LINN	124
LUTRON	158 159
LUXMAN	035 137 139
MAGNAVOX	027
MAKITA	186
MARANTZ	014 027 056 065 087
MCINTOSH	238
NAD	029 048
NAKAMICHI	025 244 245
NILES	160 187
NSM	161
ONKYO	012 016 017 018 019 115
OPTIMUS	026 054 055
PANASONIC	007 010 032 088 195
PHILIPS	027 087
PIONEER	039 047 050 066 098 222
POLK AUDIO	162
QUASAR	007 088
S/A	163
SANSUI	027 119 224
SHARP	026 057 131 175 181
SHERWOOD	004 028 030 033 034
SONY	020 022 052 084 089 164 165 166
TEAC	009 059 212
TECHNICS	007 010 076 088 109 122 193
TOSHIBA	112

Set-Up Code Tables
TAPE

Manufacturer / Brand	*Set-Up Code Number*
TURBOSCAN	167
VICTOR	106
X-10	183
XANATECH	168 169 170 171 172 188 189
YAMAHA	021 026 031 067

* For Future Applications

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